

**Recovery Plan Action Status**

**Plan Name: Recovery Plan for the Kaua'i Plant Cluster**

**Plan Status: Final**

**Plan Date: 20-Sep-95**

**Lead Agency: USFWS**

**Lead Office: Pacific Islands Fish And Wildlife Office**

**(808)  
792-9400 )**

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
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Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Alani (Melicope knudsenii), No common name (Lysimachia filifolia), No common name (Schiedea spergulina var. leiopoda), No common name (Stenogyne campanulata), Alani (Melicope quadrangularis), Haha (Cyanea asarifolia), Clay's hibiscus (Hibiscus clayi), No common name (Xylosma crenatum), `Aiea (Nothoestrum peltatum), Nehe (Lipochaeta micrantha), No common name (Remya montgomeryi), No common name (Phyllostegia waimeae), Nehe (Lipochaeta fauriei), No common name (Diellia pallida), Olulu (Brighamia insignis), No common name (Delissea rhytidosperma), Awiwi (Hedyotis cookiana), No common name (Chamaesyce halemanui), Na`ena`e (Dubautia latifolia), Alani (Melicope hauensis), `Aiakeakua, popolo (Solanum sandwicense), Nehe (Lipochaeta waimeensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa)	2	21	Identify populations for expansion	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Management: Reintroduction	Contract	Any population of a short-lived perennial with fewer than 50 mature individuals and a long-lived perennial with fewer than 25 mature individuals that do not exhibit increased reproduction after the major threats are managed is considered for augmentation.

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Alani (Melicope knudsenii), No common name (Lysimachia filifolia), No common name (Schiedea spergulina var. leiopoda), No common name (Stenogyne campanulata), Alani (Melicope quadrangularis), Haha (Cyanea asarifolia), Clay's hibiscus (Hibiscus clayi), No common name (Xylosma crenatum), `Aiea (Nothoestrum peltatum), Nehe (Lipochaeta micrantha), No common name (Remya montgomeryi), No common name (Phyllostegia waimeae), Nehe (Lipochaeta fauriei), No common name (Diellia pallida), Olulu (Brighamia insignis), No common name (Delissea rhytidosperma), Awiwi (Hedyotis cookiana), No common name (Chamaesyce halemanui), Na`ena`e (Dubautia latifolia), Alani (Melicope hauptensis), `Aiakeakua, popolo (Solanum sandwicense), Nehe (Lipochaeta waimeaensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa)	2	22	Identify material to be used for expansion	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Management: Reintroduction	Contract	This task is limited based on material available in existing collections.

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Alani (Melicope knudsenii), No common name (Lysimachia filifolia), No common name (Schiedea spergulina var. leiopoda), No common name (Stenogyne campanulata), Alani (Melicope quadrangularis), Haha (Cyanea asarifolia), Clay's hibiscus (Hibiscus clayi), No common name (Xylosma crenatum), `Aiea (Nothoestrum peltatum), Nehe (Lipochaeta micrantha), No common name (Remya montgomeryi), No common name (Phyllostegia waimeae), Nehe (Lipochaeta fauriei), No common name (Diellia pallida), Olulu (Brighamia insignis), No common name (Delissea rhytidosperma), Awiwi (Hedyotis cookiana), No common name (Chamaesyce halemanui), Na`ena`e (Dubautia latifolia), Alani (Melicope hauensis), `Aiakeakua, popolo (Solanum sandwicense), Nehe (Lipochaeta waimeensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa)	2	23	Determine propagation methods and propagate ex situ	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, National Tropical Botanical Garden, Botanical Gardens, Hawaii Department of Land and Natural Resources	Management: Propagation	Contract	This task is complete for some species, but is more difficult for other species which do not produce viable seeds in the wild and/or cannot be grown from cuttings.

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Alani (Melicope knudsenii), No common name (Lysimachia filifolia), No common name (Schiedea spergulina var. leiopoda), No common name (Stenogyne campanulata), Alani (Melicope quadrangularis), Haha (Cyanea asarifolia), Clay's hibiscus (Hibiscus clayi), No common name (Xylosma crenatum), 'Aiea (Nothocestrum peltatum), Nehe (Lipochaeta micrantha), No common name (Remya montgomeryi), No common name (Phyllostegia waimeae), Nehe (Lipochaeta fauriei), No common name (Diellia pallida), Olulu (Brighamia insignis), No common name (Delissea rhytidosperma), Awiwi (Hedyotis cookiana), No common name (Chamaesyce halemanui), Na'ena'e (Dubautia latifolia), Alani (Melicope hauensis), 'Aiakeakua, popolo (Solanum sandwicense), Nehe (Lipochaeta waimeensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa)	2	25	Monitor and maintain new individuals	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, National Park Service	Management: Reintroduction	Contract	This is an ongoing action, as the status of the species and their threats change constantly, and is currently not occurring as frequently as it should - at least once a year.

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No common name (Phyllostegia knudsenii), No common name (Schiedea membranacea), Nani wai'ale'ale (Viola kauaiensis var. wahiawaensis), No common name (Schiedea spergulina var. leiopoda), Laulihilihi (Schiedea stellarioides), No common name (Stenogyne campanulata), Na Pali beach hedyotis (Hedyotis st.-johnii), Koki'o ke'oke'o (Hibiscus waimeae ssp. hannerae), Koki'o (Kokia kauaiensis), Alani (Melicope quadrangularis), No common name (Munroidendron racemosum), Heau (Exocarpos luteolus), No common name (Alsinidendron viscosum), Kolea (Myrsine linearifolia), Dwarf iliau (Wilkesia hobdyi), Ma'oli'oli (Schiedea apokremnos), Haha (Cyanea asarifolia), Mapele (Cyrtandra cyaneoides), Haha (Cyanea remyi), Clay's hibiscus (Hibiscus clayi), Hawaiian bluegrass (Poa sandvicensis), Kaulu (Pteralyxia kauaiensis), No common name (Xylosma crenatum), Kamakahala (Lobelia tinifolia var. wahiawaensis), 'Aiea (Nothocestrum peltatum), Nehe (Lipochaeta	3	53	Refine/revise downlisting and delisting criteria	Ongoing Not Current	FY 2010		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Management: Planning, Other: Regulations, Research: Demographic Studies, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys, Research: Reintroduction	Internal Technical Assistance, Species Expert	This task has been initiated with the development of the Kauai island-wide recovery plan, which will include revised recovery criteria for all previously listed plant species endemic to Kauai.

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micrantha), No common name (Remya montgomeryi), No common name (Phyllostegia waimeae), Lo`ulu (Pritchardia napaliensis), No common name (Schiedea kauaiensis), Nehe (Lipochaeta fauriei), No common name (Schiedea helleri), No common name (Diellia pallida), Kuawawaenuhu (Alsinidendron lychnoides), Ha`iwale (Cyrtrandra limahuliensis), No common name (Phyllostegia wawrana), Lo`ulu (Pritchardia viscosa), Hau kuahiwi (Hibiscadelphus woodii), Oha (Delissea rivularis), No common name (Chamaesyce halemanui), Na`ena`e (Dubautia latifolia), Alani (Melicope haupuensis), No common name (Remya kauaiensis), Nehe (Lipochaeta waimeaensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa), No common name (Schiedea spergulina var. spergulina), Haha (Cyanea recta)										

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halemanui), Na'ena'e (Dubautia latifolia), Alani (Melicope haupuensis), Alani (Melicope pallida), Makou (Peucedanum sandwicense), No common name (Remya kauaiensis), `Aiakeakua, popolo (Solanum sandwicense), Nehe (Lipochaeta waiimeaensis), Mann's bluegrass (Poa mannii), No common name (Poa siphonoglossa), No common name (Schiedea spergulina var. spergulina)										